Summary of Water Conditions

February 1, 2021

At the halfway point in the precipitation season, one major storm at the end of January brightened the snow and water supply outlook considerably from a dry early rainy season. More is needed; hopefully the change in pattern will continue.

Forecasts of median April through July runoff are for about 70 percent of average compared to 70 percent last year on this date and an eventual 60 percent at the end of the water year. Water year 2021 runoff is projected to be 55 percent of average. In 2020 total water year runoff was estimated to be about 55 percent of average.

Snowpack water content, thanks to the recent storm, is about 70 percent of average for this date compared to 75 percent a year ago. The pack is about 45 percent of its April 1 average, normally the date of maximum accumulation. Regional amounts range from about 80 percent of the February 1 average on the San Joaquin Region to 50 percent in the southern Sierra Tulare Lake region.

Precipitation from October through January has been about 55 percent of average, less than the 75 percent reported last year at this time. The Central Coast has been wettest at this time with nearly 80 percent and the southeast Colorado River desert region the driest at 40 percent.

Runoff to date has been only about 30 percent of average statewide compared to 50 percent last year. Estimated January runoff was about 45 percent also. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin region in January was about 0.72 million acre-feet.

Reservoir storage is about 80 percent of average compared to 110 percent last year. Lake Oroville storage is about 1.24 million acre-feet, around 55 percent of average.

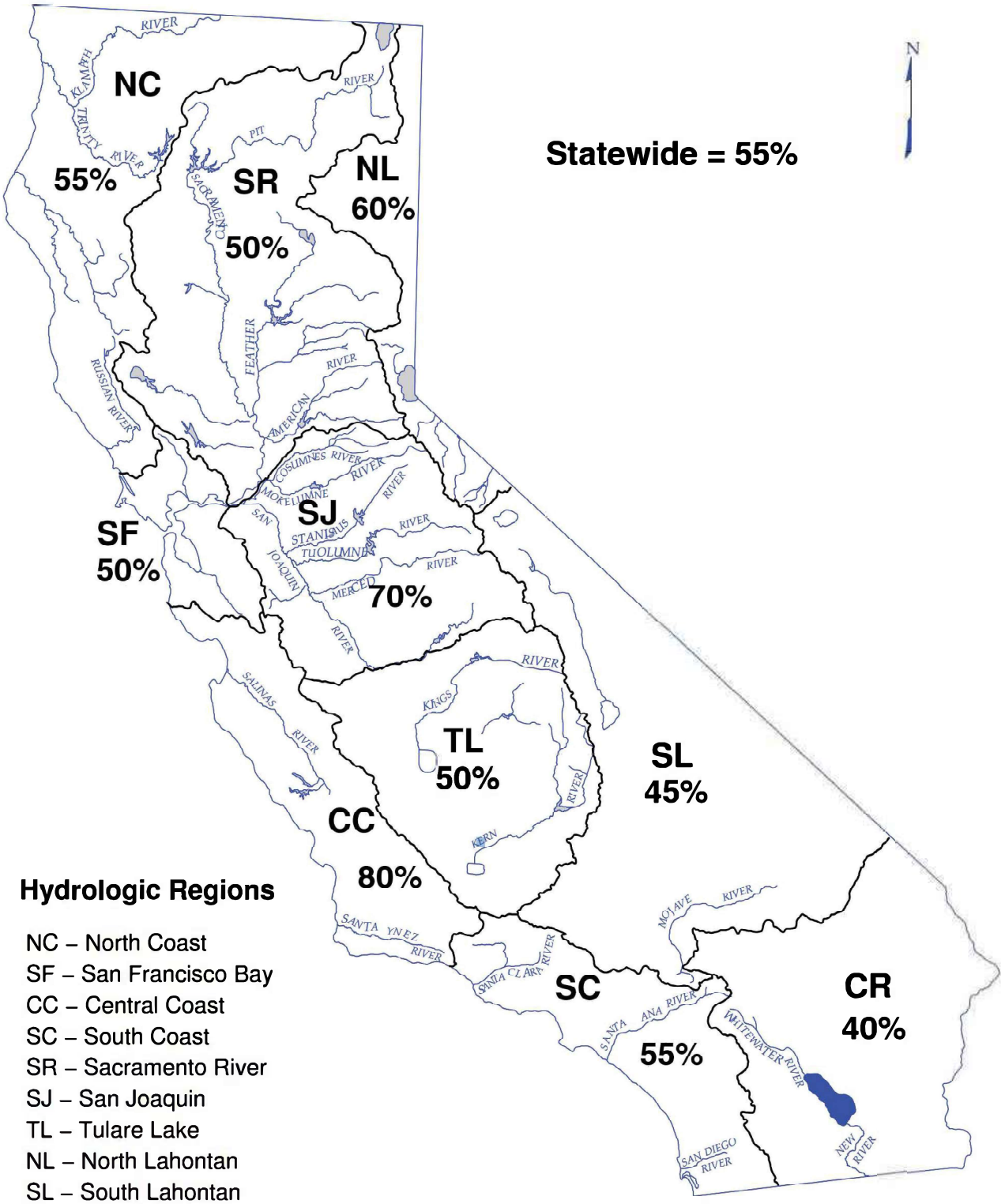
SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	FEBRUARY 1 SNOW WATER CONTENT	FEBRUARY 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APRIL-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	55	75	70	25	65	55
SAN FRANCISCO BAY	50	--	85	0	--	--
CENTRAL COAST	80	--	65	80	--	--
SOUTH COAST	55	--	90	10	--	--
SACRAMENTO RIVER	50	70	75	35	70	55
SAN JOAQUIN RIVER	70	80	90	20	75	65
TULARE LAKE	50	50	55	25	55	50
NORTH LAHONTAN	55	70	90	40	65	60
SOUTH LAHONTAN	45	60	90	65	60	55
COLORADO RIVER	40	--	--	40	--	--
STATEWIDE	55	70	80	30	65	55

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2020 through January 31, 2021

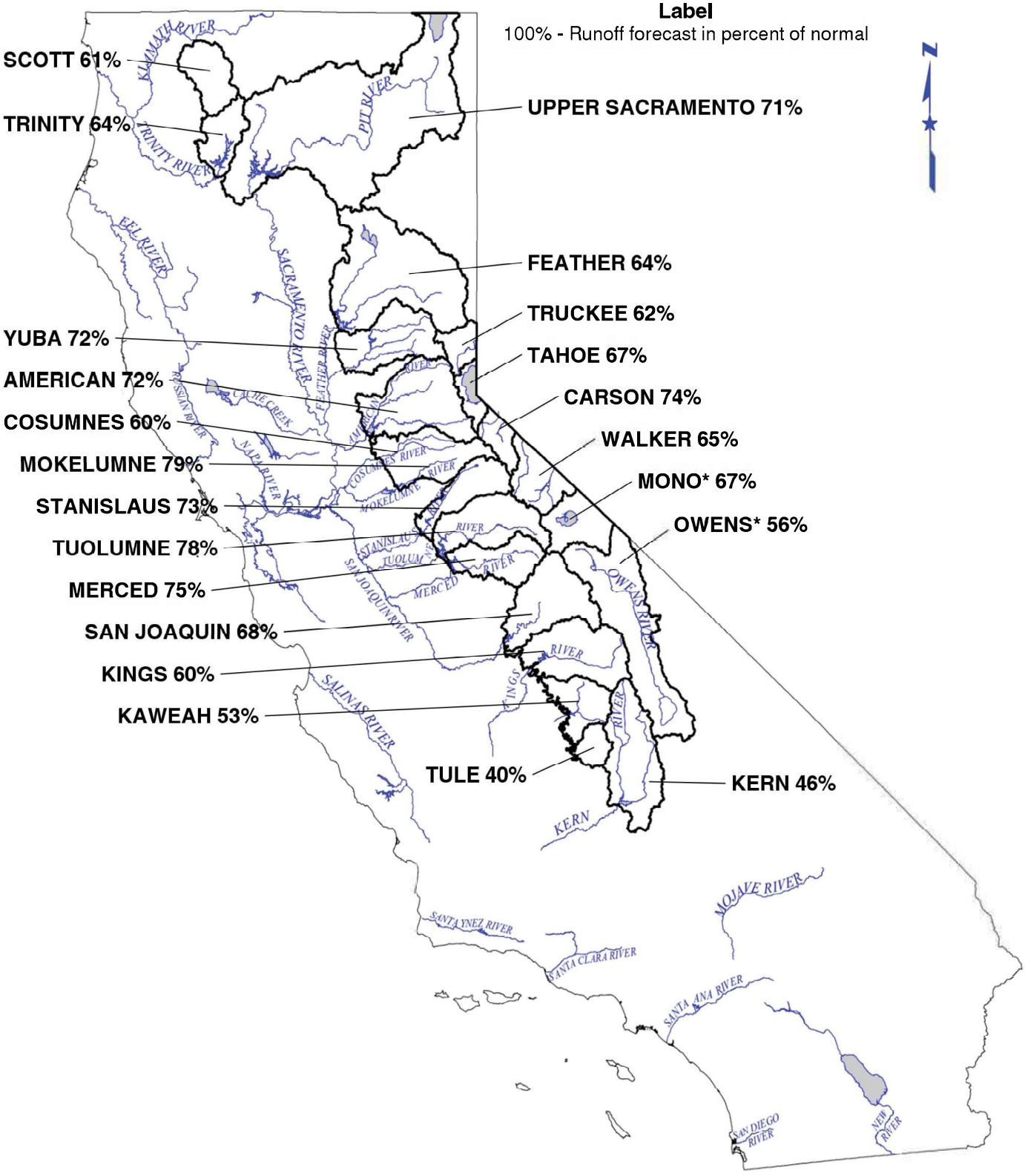


Hydrologic Regions

NC – North Coast
SF – San Francisco Bay
CC – Central Coast
SC – South Coast
SR – Sacramento River
SJ – San Joaquin
TL – Tulare Lake
NL – North Lahontan
SL – South Lahontan
CR – Colorado River–Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL-JULY
UNIMPAIRED SNOWMELT RUNOFF
February 1, 2021



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

February 1, 2021 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record (13)	Min of Record (13)	FORECAST Apr-Jul Forecast	Pct of Avg	80% Probability Range (1)
North Coast						
Trinity River at Lewiston Lake	639	1,593	80	**410**	64%	260 - 590
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	295	751	39	190	64%	
McCloud River above Shasta Lake	385	850	185	250	65%	
Pit River near Montgomery Creek + Squaw Creek	1,020	2,098	480	780	76%	
Total Inflow to Shasta Lake	1,756	3,525	711	**1,250**	71%	1,000 - 1,590
Sacramento River above Bend Bridge, near Red Bluff	2,421	5,117	943	**1,650**	68%	1,260 - 2,200
Feather River						
Feather River at Lake Almanor near Prattville (3)	241	640	77	155	64%	
North Fork at Pulga (4)	842	2,291	187	530	63%	
Feather River at Oroville	1,704	4,676	378	**1,090**	64%	690 - 1,550
Yuba River						
North Yuba below Goodyears Bar (5)	271	612	40	195	72%	
Canyon Creek below Bowman Lake (5)	103	177	36	75	73%	
South Yuba at Langs Crossing (6)	237	559	48	170	72%	
Yuba River near Smartsville plus Deer Creek	968	2,424	151	**700**	72%	400 - 1,000
American River						
North Fork at North Fork Dam (7)	240	562	40	170	71%	
Silver Creek below Camino Diversion Dam (8)	157	390	31	115	73%	
American River below Folsom Lake	1,199	3,074	185	**860**	72%	570 - 1,290
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	125	446	8	**75**	60%	40 - 125
Mokelumne River						
South Fork near West Point (5)	40	143	3	30	75%	
Total Inflow to Pardee Reservoir	457	1,076	75	**360**	79%	260 - 500
Stanislaus River						
Middle Fork below Beardsley Dam (8)	297	680	84	220	74%	
North Fork Inflow to McKays Point Dam (9)	197	462	30	140	71%	
Stanislaus River below Goodwin Reservoir (12)	682	1,710	116	**500**	73%	350 - 790
Tuolumne River						
Cherry Creek below Dion Power Plant (5)	317	672	64	250	79%	
Tuolumne River near Hetch Hetchy (4)	587	1,203	180	460	78%	
Tuolumne River below La Grange Reservoir (12)	1,193	2,682	301	**930**	78%	700 - 1,350
Merced River						
Merced River at Pohono Bridge (5)	369	820	75	280	76%	
Merced River below Merced Falls (12)	623	1,588	104	**470**	75%	320 - 710
San Joaquin River						
Big Creek below Huntington Lake (10)	97	211	4	65	67%	
South Fork near Florence Lake (11)	188	377	55	130	69%	
San Joaquin River inflow to Millerton Lake	1,228	3,355	193	**840**	68%	580 - 1,180
TULARE LAKE						
Kings River						
Kings River below Dinkey Creek (14)	395	932	44	240	61%	
Kings River below Pine Flat Reservoir	1,210	3,113	208	**720**	59%	480 - 990
Kaweah River below Terminus Reservoir	285	814	42	**150**	53%	80 - 230
Tule River below Lake Success	63	259	1	**25**	40%	10 - 50
Kern River						
Kern River near Kernville (11)	379	1,088	57	180	47%	
Kern River inflow to Lake Isabella	458	1,657	57	**210**	46%	125 - 340

(1) See inside the back cover for definition.
(2) All 50 year averages are based on years 1966-2015 unless otherwise noted.
(3) Apr-Jul average, min, max based on years 1981-2015.
(4) Apr-Jul average, min, max based on years 1968-2015.
(5) Apr-Jul average, min, max based on years 1966-2015.
(6) Apr-Jul average, min, max based on years 1981-2015.
(7) Apr-Jul average, min, max based on years 1972-2015.
(8) Apr-Jul average, min, max based on years 1987-2015.
(9) Apr-Jul average, min, max based on years 1989-2015.
(10) Apr-Jul average, min, max based on years 1988-2015.
(11) Apr-Jul average, min, max based on years 1976-2015.

February 1, 2021 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Water Year Unimpaired Runoff in 1,000 Acre-Feet (1)

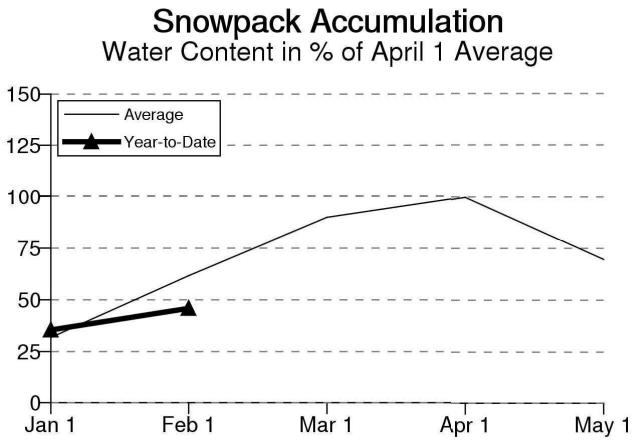
HISTORICAL			DISTRIBUTION									FORECAST			
50 Yr Avg (2)	Max of Record (15)	Min of Record (15)	Oct Thru Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Water Year Forecast	Pct of Avg	80% Probability Range (1)	
1,348	2,990	200	67	67	156	160	170	65	15	6	4	**710**	53%	475 -	995
860	1,966	165	61	73	90	87	63	26	14	11	10	435	51%	- -	-
1,183	2,353	557	226	79	97	81	69	53	47	43	40	735	62%	- -	-
3,002	5,150	1,484	549	193	251	260	210	170	140	122	120	2,015	67%	- -	-
5,831	10,796	2,479	823	460	543	455	355	240	200	179	180	**3,435**	59%	2,910 -	4,150
8,544	17,180	3,294	1,162	730	825	610	460	330	250	223	220	**4,810**	56%	3,945 -	6,030
610	1,194	329													
2,122	4,741	570													
4,407	10,178	995	394	305	415	465	365	165	95	77	64	**2,345**	53%	1,625 -	3,170
544	1,133	102													
242	368	75													
379	733	176													
2,268	5,604	369	136	145	209	295	285	95	25	13	12	**1,215**	54%	810 -	1,680
580	1,356	66													
301	681	105													
2,626	7,391	349	112	203	262	360	340	135	25	7	6	**1,450**	55%	1,030 -	2,210
379	1,253	20	18	33	42	40	26	7	2	1	1	**170**	45%	95 -	275
107	349	8													
748	1,901	129	19	44	65	110	165	75	10	1	1	**490**	65%	355 -	675
416	937	144													
301	645	100													
1,149	3,078	155	49	66	94	160	215	105	20	6	5	**720**	63%	505 -	1,105
497	1,041	70													
749	1,645	206													
1,909	4,631	383	38	104	153	250	380	250	50	10	5	**1,240**	65%	920 -	1,785
469	1,062	92													
992	2,787	150	36	49	67	135	200	110	25	5	3	**630**	63%	440 -	940
164	356	11													
236	507	71													
1,793	4,642	327	56	70	109	200	340	220	80	25	10	**1,110**	62%	760 -	1,540
545	1,309	104													
1,702	4,287	359	40	52	82	170	320	180	50	16	10	**920**	54%	625 -	1,250
451	1,402	89	11	17	27	45	65	30	10	3	2	**210**	47%	115 -	320
147	615	10	7	8	10	11	10	3	1	0	0	**50**	34%	20 -	95
574	1,639	120													
728	2,318	130	46	24	35	55	75	60	20	11	9	**335**	46%	215 -	515

(12) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.
(13) For the tributaries, the max and min values were determined using the same period of record as the Apr-Jul values.
(14) Apr-Jul average, min, max based on years 1970-2015.
(15) For tributaries, the average, min and max values may not be calculated over the same period as the Apr-Jul values.
* Unimpaired runoff in months prior to forecast date are based on measured flows.

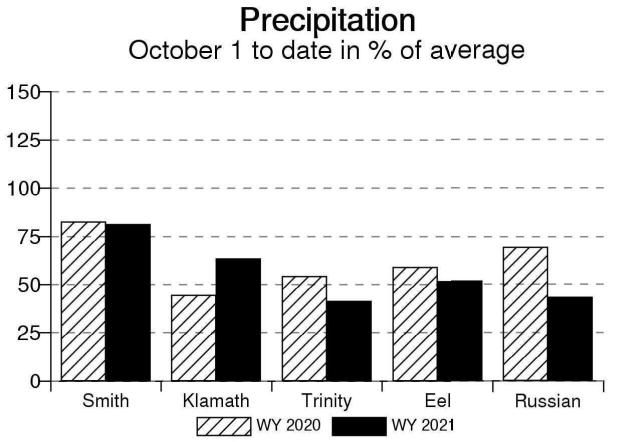
February 1, 2021 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL			FORECAST	
	50 Yr Avg (2)	Max of Record (6)	Min of Record (6)	Apr-Jul Forecast	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	173	398	22	**106**	61%
Klamath River					
Total inflow to Upper Klamath Lake (4)	475	1,150	149	**364**	77%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	250	713	48	**155**	62%
Lake Tahoe Rise (assuming gates closed, ft)	1.3	5.4	0.2	**0.8**	60%
Carson River					
West Fork Carson River at Woodfords	52	135	10	**35**	67%
East Fork Carson River near Gardnerville	182	480	43	**135**	74%
Walker River					
West Walker River below Little Walker, near Coleville	153	410	35	**105**	69%
East Walker River near Bridgeport	61	209	7	**35**	57%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	231	579	84	**129**	56%

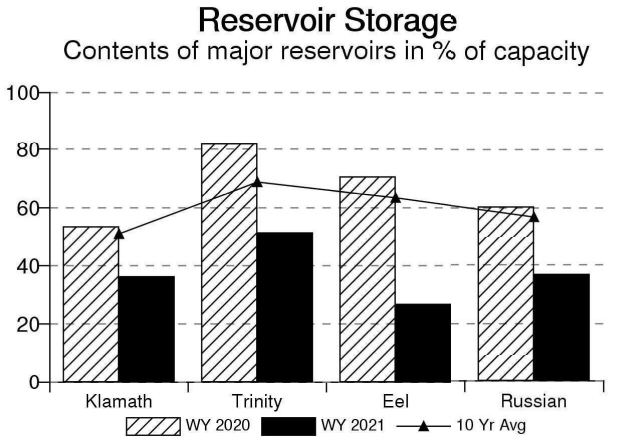
(1) See inside the back cover for definition.
(2) All 50 year averages are based on years 1966-2015 unless otherwise noted.
(3) Forecast by National Weather Service California-Nevada River Forecast Center. 30 yr average (1981-2010).
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1981-2010.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1961-2010.
(6) For the tributaries, the period of record over which the minimum values are found does not include years after water year 2011.



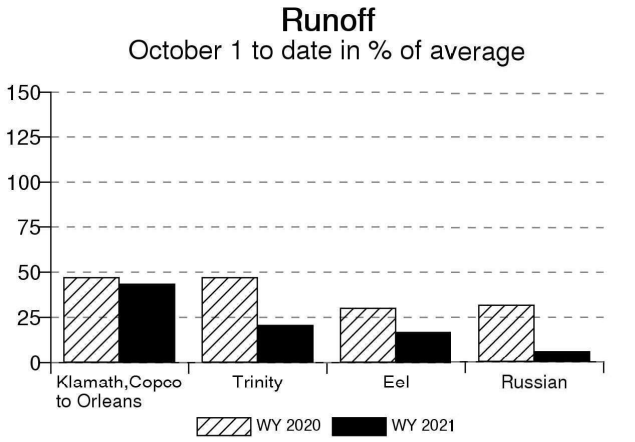
SNOWPACK- First of the month measurements made at 7 snow courses indicate an area wide snow water equivalent of 11.6 inches. This is 45 percent of the seasonal April 1 average and 75 percent of the February 1 average. Last year at this time the pack was holding 14.8 inches of water.



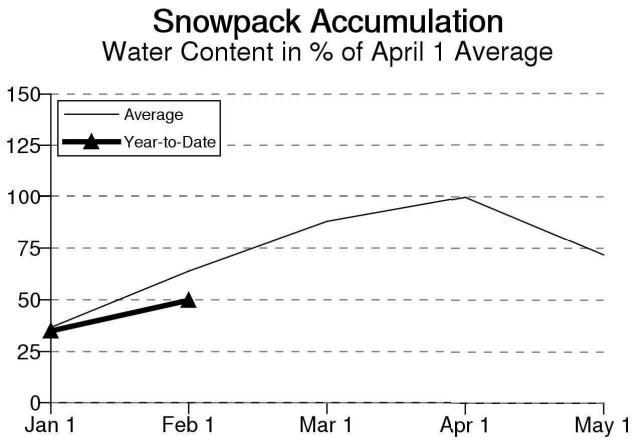
PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on this area was 55 percent of normal. Precipitation last month was about 80 percent of the monthly average. Season precipitation at this time last year stood at 65 percent of normal.



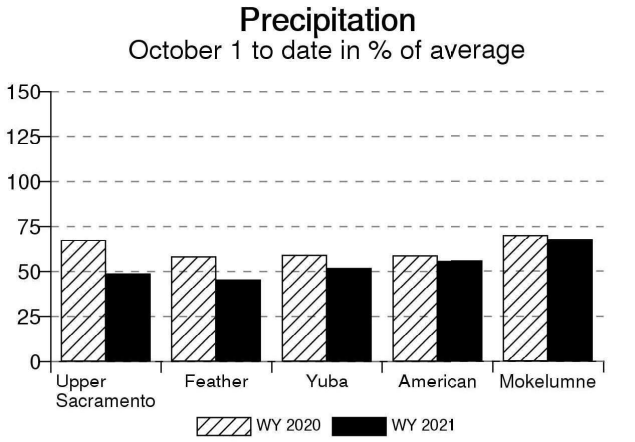
RESERVOIR STORAGE- First of the month storage at 6 reservoirs was 1.48 million acre-feet which is 70 percent of average. About 50 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average.



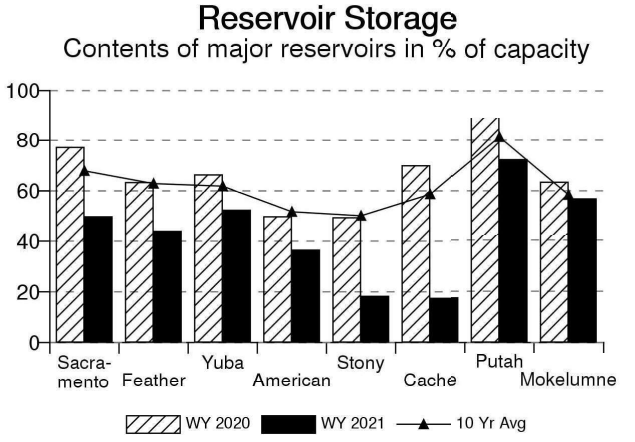
RUNOFF- Seasonal runoff of streams draining this area totaled 1.21 million acre-feet which is 25 percent of average. Last year, runoff for the same period was 35 percent of average.



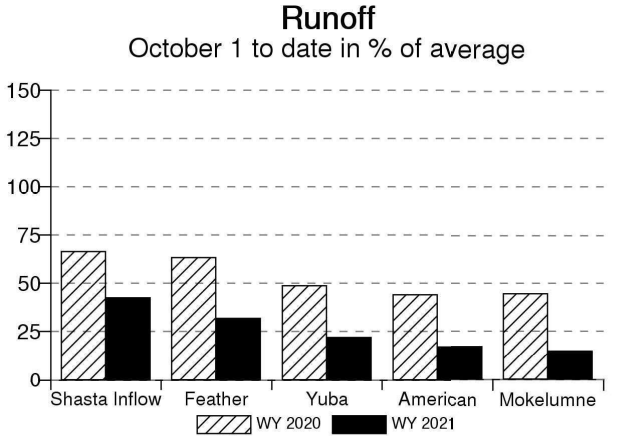
SNOWPACK- First of the month measurements made at 61 snow courses indicate an area wide snow water equivalent of 11.6 inches. This is 45 percent of the seasonal April 1 average and 70 percent of the February 1 average. Last year at this time the pack was holding 13.8 inches of water.



PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on this area was 50 percent of normal. Precipitation last month was about 70 percent of the monthly average. Season precipitation at this time last year stood at 65 percent of normal.



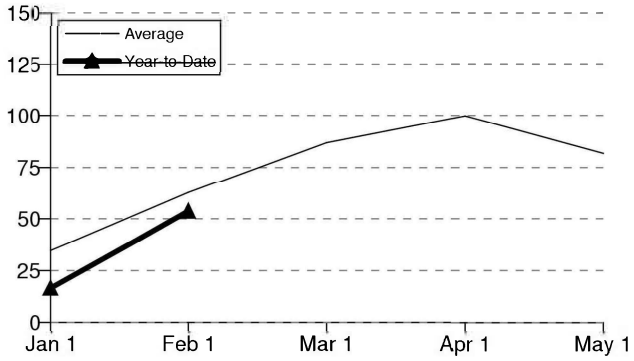
RESERVOIR STORAGE- First of the month storage at 43 reservoirs was 7.59 million acre-feet which is 75 percent of average. About 45 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.



RUNOFF- Seasonal runoff of streams draining this area totaled 1.80 million acre-feet which is 35 percent of average. Last year, runoff for the same period was 60 percent of average.

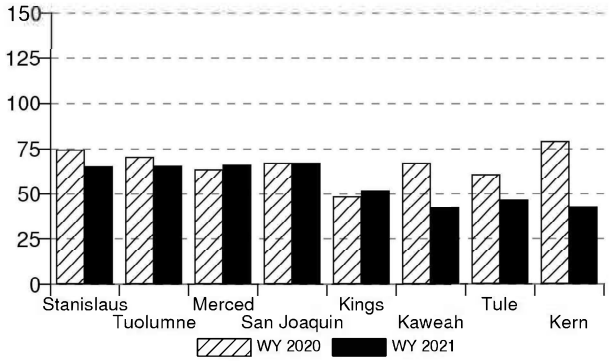
The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 5.0 assuming median meteorological conditions for the remainder of the year. This classifies the year as "Critical" in the Sacramento Valley according to the State Water Resources Control Board.

Snowpack Accumulation
Water Content in % of April 1 Average



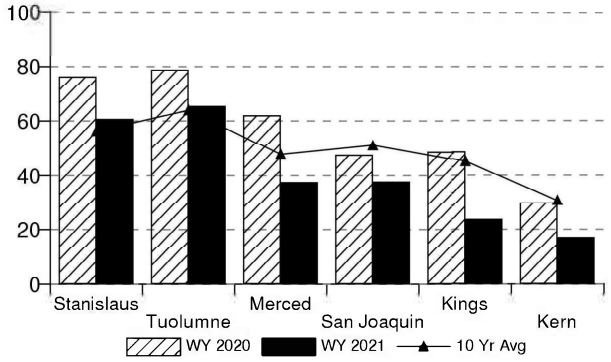
SNOWPACK - First of the month measurements made at 51 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 13.5 inches. This is 50 percent of the seasonal April 1 average and 80 percent of the February 1 average. Last year at this time the pack was holding 13.6 inches of water. At the same time 38 **Tulare Lake** snow courses indicate a basin-wide snow water equivalent of 7.1 inches. This is 30 percent of the seasonal April 1 average and 50 percent of the February 1 average. Last year at this time the pack was holding 10.4 inches of water.

Precipitation
October 1 to date in % of average



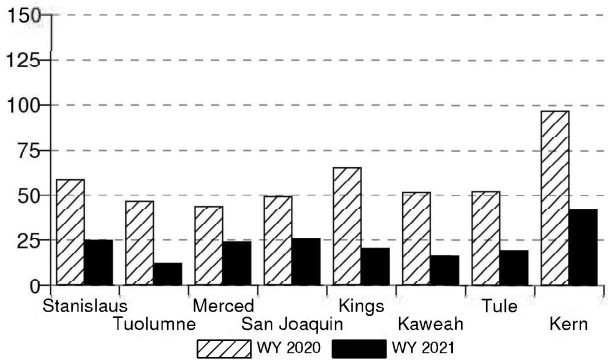
PRECIPITATION - Seasonal precipitation (October 1 through to the end of January) on the **San Joaquin Region** was 70 percent of normal. Precipitation last month was about 120 percent of the monthly average. Season precipitation at this time last year stood at 75 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **Tulare Lake Region** was 50 percent of normal. Precipitation last month was about 85 percent of the monthly average. Season precipitation at this time last year stood at 70 percent of normal.

Reservoir Storage
Contents of major reservoirs in % of capacity



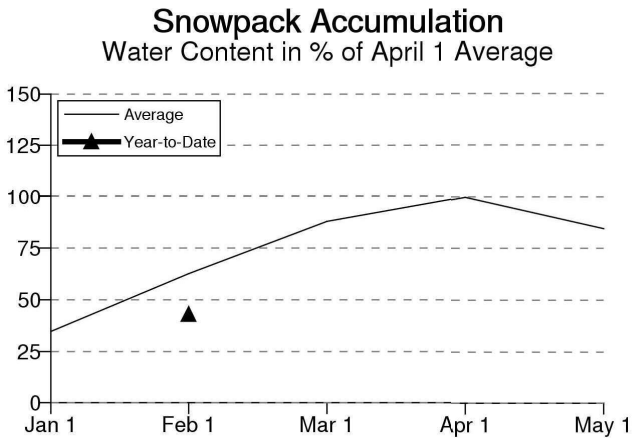
RESERVOIR STORAGE - First of the month storage in 34 **San Joaquin Region** reservoirs was 6.26 million acre-feet which is 90 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 429 thousand acre-feet which is 55 percent of average. About 20 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

Runoff
October 1 to date in % of average

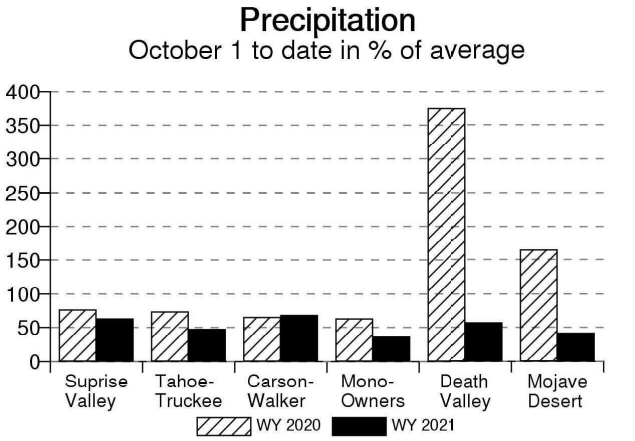


RUNOFF - Seasonal runoff of streams draining the **San Joaquin Region** totaled 215 thousand acre-feet which is 20 percent of average. Last year, runoff for the same period was 45 percent of average. Seasonal runoff of streams draining the **Tulare Lake Region** area totaled 104 thousand acre-feet which is 25 percent of average. Last year, runoff for the same period was 70 percent of average.

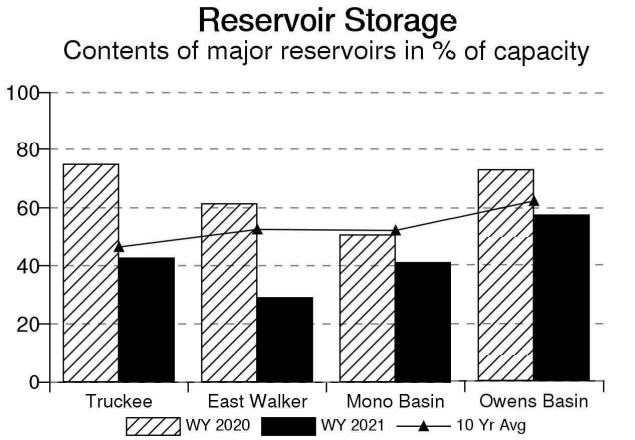
The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.0 based on the 75 percent exceedance level forecast. This classifies the year as "Critical" in the San Joaquin according to the State Water Resources Control Board.



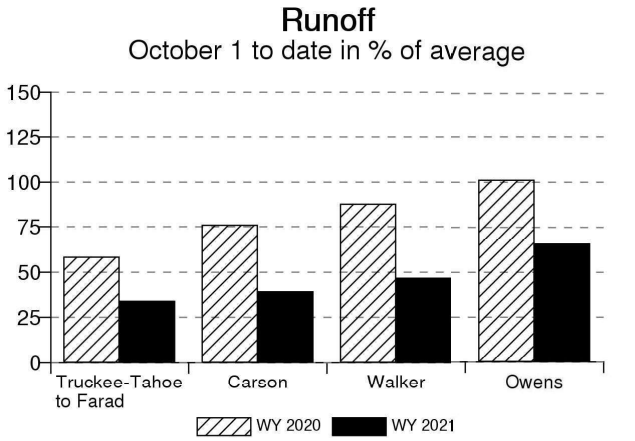
SNOWPACK- First of the month measurements made at 8 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 10.1 inches. This is 45 percent of the seasonal April 1 average and 70 percent of the February 1 average. Last year at this time the pack was holding 9.4 inches of water. At the same time 12 **South Lahontan Region** snow courses indicate a basin-wide snow water equivalent of 7.1 inches. This is 35 percent of the seasonal April 1 average and 60 percent of the February 1 average. Last year at this time the pack was holding 8.5 inches of water.



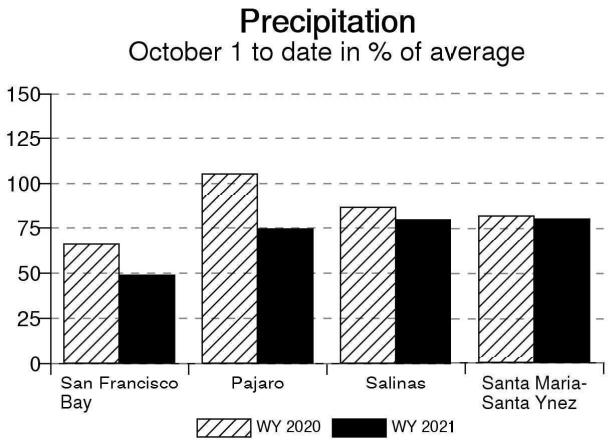
PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on the **North Lahontan Region** was 55 percent of normal. Precipitation last month was about 70 percent of the monthly average. Season precipitation at this time last year stood at 65 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **South Lahontan Region** was 45 percent of normal. Precipitation last month was about 80 percent of the monthly average. Season precipitation at this time last year stood at 90 percent of normal.



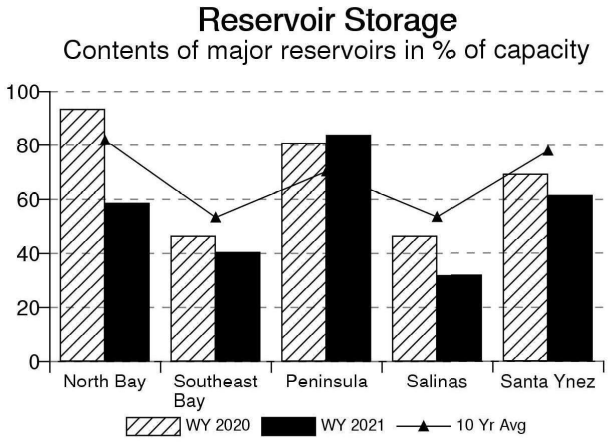
RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan Region** reservoirs was 452 thousand acre-feet which is 90 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 160 percent of average. First of the month storage in 8 **South Lahontan Region** reservoirs was 246 thousand acre-feet which is 90 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.



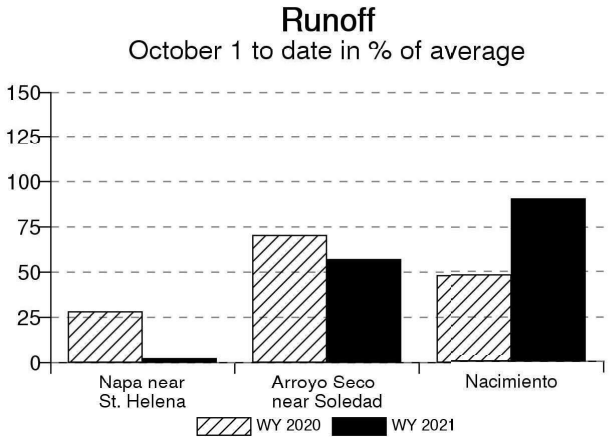
RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 56 thousand acre-feet which is 40 percent of average. Last year, runoff for the same period was 70 percent of average. Seasonal runoff of streams draining the **South Lahontan Region** area totaled 29 thousand acre-feet which is 65 percent of average. Last year, runoff for the same period was 100 percent of average.



PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on the **San Francisco Bay Region** was 50 percent of normal. Precipitation last month was about 75 percent of the monthly average. Season precipitation at this time last year stood at 65 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **Central Coast Region** was 80 percent of normal. Precipitation last month was about 150 percent of the monthly average. Season precipitation at this time last year stood at 90 percent of normal.



RESERVOIR STORAGE- First of the month storage in 17 **San Francisco Region** reservoirs was 397 thousand acre-feet which is 85 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average. First of the month storage in 6 **Central Coast Region** reservoirs was 391 thousand acre-feet which is 65 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.



RUNOFF- Seasonal runoff of streams draining the **San Francisco Region** totaled 0.7 thousand acre-feet which is less than 5 percent of average. Last year, runoff for the same period was 30 percent of average. Seasonal runoff of streams draining the **Central Coast Region** area totaled 96 thousand acre-feet which is 80 percent of average. Last year, runoff for the same period was 55 percent of average.

SOUTH COAST REGION

PRECIPITATION - October through January seasonal precipitation on the South Coast Region is 55 percent of normal. January precipitation was 75 percent of the monthly average. Seasonal precipitation at this time last year was 105 percent of normal.

RESERVOIR STORAGE - January 31 storage in 29 major South Coast Region reservoirs is 1.20 million acre-feet or 90 percent of average. About 55 percent of available capacity is being used. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF - Seasonal runoff from selected South Coast Region rivers totaled 5.4 thousand acre-feet which is 10 percent of average. Seasonal runoff from these streams last year was 30 percent of average.

COLORADO RIVER REGION

SNOWPACK - The February 1 snowpack in the Colorado River basin above Lake Powell is 75 percent of average, highest in the San Juan River headwaters at 95 percent of average, and lowest in the Price-Rafael basin at 55 percent of average.

PRECIPITATION - October through January seasonal precipitation on the Colorado River Region is 40 percent of normal. January precipitation was 100 percent of the monthly average. Seasonal precipitation at this time last was was 120 percent of normal.

RESERVOIR STORAGE - On January 31, combined storages in Lakes Powell, Mead, Mojave, and Havasu was about 22.4 million acre-feet or about 60 percent of average. About 40 percent of available capacity was in use. Last year at this time, these reservoirs were storing 65 percent of average.

RUNOFF - April-July runoff inflow to Lake Powell is forecast to be 3.0 million acre-feet, which is 42 percent of average.

MAJOR WATER DISTRIBUTION PROJECTS
RESERVOIR STORAGE
(AVERAGES BASED ON 1966-2015 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF January 2020 1,000 AF	2021 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,292	2,204	1,239	54%	35%
San Luis Reservoir (SWP)	1,062	840	944	644	77%	61%
Lake Del Valle	77	31	25	30	96%	39%
Lake Silverwood	78	66	59	66	100%	85%
Pyramid Lake	180	163	154	153	94%	85%
Castaic Lake	325	267	233	253	95%	78%
Perris Lake	131	102	91	122	120%	93%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,685	1,998	1,249	74%	51%
Lake Shasta	4,552	3,034	3,482	2,129	70%	47%
Whiskeytown Lake	241	205	207	206	100%	85%
Folsom Lake	977	500	487	290	58%	30%
New Melones Reservoir	2,400	1,414	1,983	1,555	110%	65%
Millerton Lake	521	331	316	166	50%	32%
San Luis Reservoir (CVP)	971	733	573	416	57%	43%
COLORADO RIVER PROJECT						
Lake Mead	26,159	19,139	11,265	10,510	55%	40%
Lake Powell	24,322	16,985	12,281	9,638	57%	40%
Lake Mohave	1,810	1,674	1,653	1,691	101%	93%
Lake Havasu	648	551	552	578	105%	89%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	204	179	185	188	105%	92%
Camanche Reservoir	417	246	297	254	103%	61%
East Bay (4 res.)	159	124	127	115	93%	72%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	184	252	197	107%	55%
Cherry Lake	268	159	220	192	121%	72%
Lake Eleanor	29	11	23	10	91%	34%
South Bay/Peninsula (4 res.)	238	156	172	174	112%	73%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	122	138	118	97%	65%
Grant Lake	48	29	27	25	87%	52%
Other Aqueduct Storage (6 res.)	238	156	172	174	112%	73%

TELEMETERED SNOW WATER EQUIVALENTS

February 1, 2021

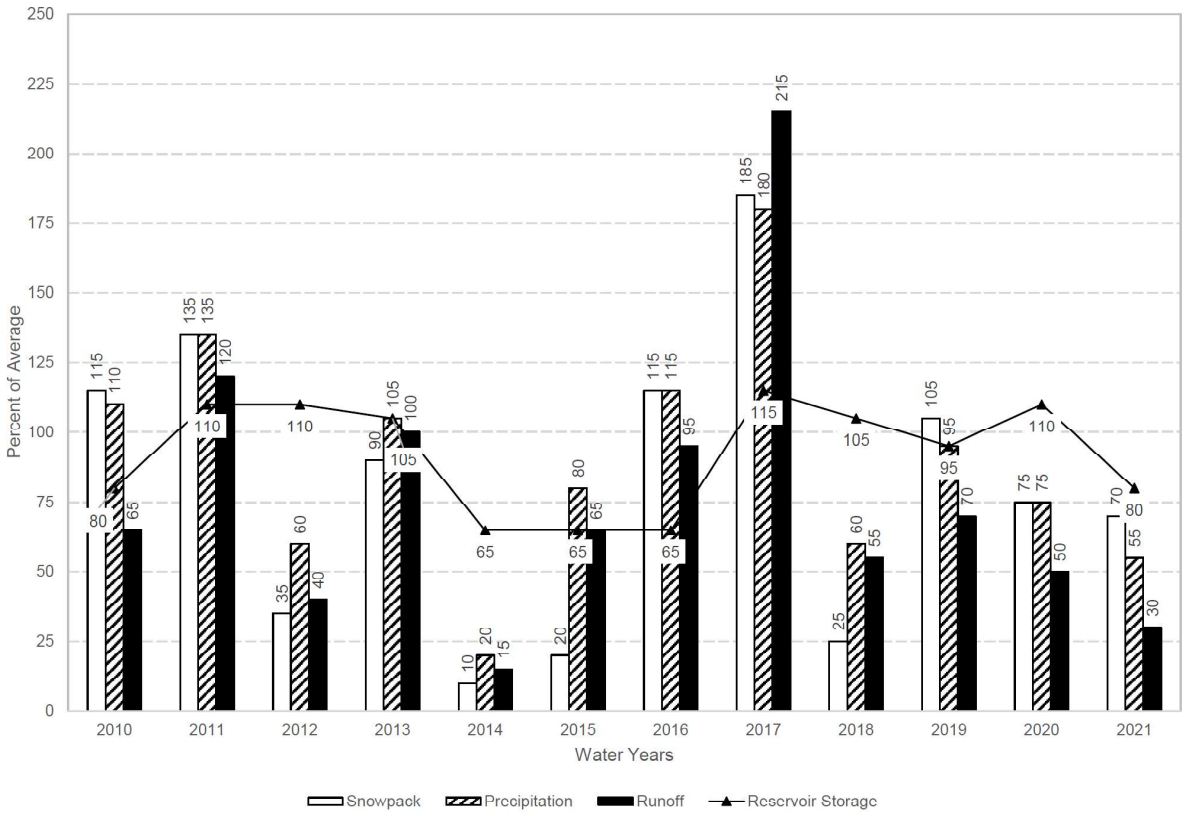
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT FEB 1	PERCENT APRIL 1 AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Shimmy Lake	6400'	40.3	9.0	22.3	9.0	5.2
Crowder Flat	5100'	-	-	-	-	0.8
Highland Lakes	6030'	29.9	16.0	53.4	15.1	9.1
Mumbo Basin	5650'	22.4	11.5	51.4	10.7	5.2
Bonanza King	6450'	40.5	11.8	29.0	11.0	7.0
Red Rock Mountain	6700'	39.6	16.4	41.3	15.5	11.9
Big Flat	5100'	15.8	11.8	74.4	11.0	8.3
Scott Mountain	5900'	16.0	6.1	38.3	5.8	2.9
Peterson Flat	7150'	29.2	10.7	36.6	10.0	7.1
Middle Boulder 3	6200'	28.3	12.8	45.3	12.3	8.3
SACRAMENTO RIVER						
Blacks Mountain	7050'	12.7	5.6	44.4	5.6	4.3
Cedar Pass	7100'	18.1	8.8	48.6	8.8	8.0
Medicine Lake	6700'	32.6	11.6	35.7	11.5	10.0
Sand Flat	6750'	42.4	13.1	30.8	12.6	9.1
Slate Creek	5700'	29.0	10.2	35.2	9.2	2.9
Adin Mountain	6200'	13.6	7.6	55.9	7.2	6.8
Stouts Meadow	5400'	36.0	10.7	29.7	10.4	6.4
Snow Mountain	5950'	27.0	12.7	47.1	12.5	10.4
FEATHER RIVER						
Kettle Rock	7300'	25.5	13.8	54.1	13.7	10.3
Gold Lake	6750'	36.5	18.7	51.3	18.6	13.3
Bucks Lake	5873'	44.7	9.6	21.5	9.0	4.0
Harkness Flat	6200'	28.5	13.3	46.8	13.3	10.6
Four Trees	5202'	20.0	9.4	46.8	9.4	1.6
Humbug	6500'	28.0	19.4	69.4	19.3	13.8
Grizzly Ridge	6900'	29.7	13.0	43.6	13.0	8.4
Rattlesnake	6210'	14.0	11.4	81.4	11.3	6.6
Lower Lassen Peak	8338'	-	25.7	-	25.7	21.7
Pilot Peak	6800'	52.6	17.5	33.2	17.0	8.7
EEL RIVER						
Noel Spring	5100'	-	-	-	-	-
YUBA & AMERICAN RIVERS						
Carson Pass	8353'	-	14.9	-	14.9	7.8
Lake Lois	8600'	39.5	-	-	-	-
Forni Ridge	7600'	37.0	23.3	63.0	23.1	12.9
Silver Lake	7100'	22.7	13.9	61.2	13.8	8.0
Blue Canyon	5280'	9.0	9.7	107.8	9.6	2.2
Schneiders	8750'	34.5	-	-	-	-
Meadow Lake	7200'	55.5	25.7	46.4	25.8	18.5
Robbs Powerhouse	5150'	5.2	7.5	143.3	6.9	0.9
Robinson Cow Camp	6480'	-	25.2	-	25.2	18.8
Cent Sierra Snow Lab	6900'	33.6	19.8	58.9	19.9	12.5
Caples Lake	8000'	30.9	15.9	51.6	15.6	9.2
Alpha	7600'	35.9	18.0	50.1	18.0	9.5
Robbs Saddle	5900'	21.4	10.9	50.8	10.8	5.1
Huysink	6600'	42.6	15.8	37.2	15.6	10.6
Van Vleck	6700'	35.9	21.0	58.5	21.0	13.5
Greek Store	5600'	21.0	13.6	64.6	13.2	6.0
MOKELUMNE & STANISLAUS RIVERS						
Highland Meadow	8700'	47.9	18.9	39.5	18.8	10.5
Gianelli Meadow	8400'	55.5	19.0	34.2	19.0	8.6
Bloods Creek	7200'	35.5	16.9	47.7	16.9	8.7
Blue Lakes	8000'	33.1	14.2	42.9	14.0	8.0
Mud Lake	7900'	44.9	-	-	-	-
Black Springs	6500'	32.0	15.2	47.6	15.1	6.0
Stanislaus Meadow	7750'	47.5	17.2	36.3	17.0	12.0
Deadman Creek	9250'	37.2	14.5	39.1	14.1	7.3
Lower Relief Valley	8100'	41.2	-	-	1.7	0.5
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800'	27.7	12.7	45.8	12.7	6.8
Horse Meadow	8400'	48.6	-	-	-	9.3
Tuolumne Meadows	8600'	22.6	8.6	38.1	8.4	4.5
Slide Canyon	9200'	41.1	15.1	36.8	15.0	8.5
Ostrander Lake	8200'	34.8	19.4	55.6	19.1	8.6
Gin Flat	7050'	34.2	15.6	45.5	15.2	6.4
Tenaya Lake	8150'	33.1	16.0	48.3	15.9	8.3
White Wolf	7900'	-	13.6	-	13.4	6.7
Lower Kibbie Ridge	6700'	27.4	9.9	36.2	10.1	2.1
Paradise Meadow	7650'	41.3	-	-	-	-

SAN JOAQUIN RIVER						
Volcanic Knob	10050'	30.1	4.0	13.3	3.5	3.0
Tamarack Summit	7550'	30.5	8.4	27.5	8.0	0.5
Kaiser Point	9200'	37.8	10.6	27.9	10.6	4.0
Huntington Lake	7000'	20.1	10.5	52.0	10.5	4.2
Green Mountain	7900'	30.8	11.1	36.1	11.0	2.5
Poison Ridge	6900'	28.9	16.5	57.1	16.4	3.9
Graveyard Meadow	6900'	18.8	9.6	51.1	9.0	1.8
Agnew Pass	9450'	32.3	-	-	-	-
Devils Postpile	7569'	-	7.7	-	7.6	0.5
Chilkoot Meadow	7150'	38.0	18.5	48.6	18.1	6.1
KINGS RIVER						
Bishop Pass	11200'	34.0	-	-	-	-
Blackcap Basin	10300'	34.3	11.5	33.4	11.4	3.5
Mitchell Meadow	9900'	32.9	11.9	36.1	11.8	6.1
Upper Burnt Corral	9700'	34.6	12.3	35.5	12.1	4.0
State Lakes	10300'	29.0	9.5	32.7	9.5	4.7
West Woodchuck Meadow	9100'	32.8	10.2	30.9	9.4	3.6
Big Meadows	7600'	25.9	6.9	26.8	7.0	3.8
Charlotte Lake	10400'	27.5	8.8	32.1	8.8	5.1
KAWEAH & TULE RIVERS						
Farewell Gap	9500'	34.5	-	-	-	-
Giant Forest	6650'	10.0	3.1	30.9	3.1	0.7
Quaking Aspen	7200'	21.0	5.5	26.4	5.4	2.4
KERN RIVER						
Tunnel Guard Station	8900'	15.6	-	-	-	-
Beach Meadows	7650'	11.0	2.6	24.0	2.5	0.7
Upper Tyndall Creek	11400'	27.7	4.6	16.5	4.6	1.0
Casa Vieja Meadows	8300'	20.9	6.4	30.6	6.4	3.4
Pascoes	9150'	24.9	5.4	21.6	5.4	2.5
Wet Meadows	8950'	30.3	10.3	33.9	10.2	5.3
Chagoopa Plateau	10300'	21.8	7.9	36.4	7.9	3.7
Crabtree Meadow	10700'	19.8	4.6	23.3	4.2	0.7
SURPRISE VALLEY AREA						
Dismal Swamp	7050'	29.2	14.5	49.7	14.4	11.6
TRUCKEE RIVER						
Independence Camp	7000'	21.8	11.0	50.5	11.0	6.3
Independence Lake	8450'	41.4	17.5	42.3	17.3	10.8
Squaw Valley Gold Coast	8200'	46.5	16.2	34.8	16.6	11.2
Truckee 2	6400'	14.3	10.2	71.3	10.2	5.2
Independence Creek	6500'	12.7	6.7	52.8	6.7	3.4
Big Meadows	8700'	25.7	9.8	38.1	9.7	6.0
LAKE TAHOE BASIN						
Rubicon Peak 2	7500'	29.1	12.0	41.2	11.9	6.0
Tahoe City Cross	6750'	16.0	5.5	34.4	5.5	2.5
Echo Peak 5	7800'	39.5	19.8	50.1	19.5	13.8
Hagans Meadow	8000'	16.5	11.2	67.9	11.1	6.9
Fallen Leaf Lake	6250'	7.0	6.5	92.9	6.4	3.2
Ward Creek 3	6750'	39.4	21.4	54.3	21.2	13.9
Mount Rose Ski Area	8900'	38.5	18.0	46.8	18.0	10.4
Heavenly Valley	8800'	28.1	11.6	41.3	11.4	7.4
Marlette Lake	8000'	21.1	11.0	52.1	11.0	7.0
CARSON RIVER						
Spratt Creek	6150'	4.5	5.8	128.9	5.8	1.7
Horse Meadow	8400'	48.6	-	-	-	9.3
Burnside Lake	8129'	-	13.1	-	13.0	6.6
Monitor Pass	8350'	-	9.0	-	9.0	4.4
Poison Flat	7900'	16.2	10.2	63.0	10.1	5.3
Forestdale Creek	8017'	-	17.0	-	17.0	9.7
Ebbetts Pass	8700'	38.8	17.6	45.4	17.3	9.3
WALKER RIVER						
Sonora Pass Bridge	8750'	26.0	11.1	42.7	11.1	4.8
Virginia Lakes Ridge	9300'	20.3	7.8	38.4	7.6	2.7
Lobdell Lake	9200'	17.3	6.9	39.9	6.8	1.9
Summit Meadow	9313'	-	9.9	-	9.9	4.0
Leavitt Meadows	7200'	8.0	7.1	88.8	7.1	2.2
Leavitt Lake	9600'	-	21.2	-	21.1	11.2
OWENS RIVER/MONO LAKE						
Cottonwood Lakes	10150'	11.6	6.2	53.0	6.2	2.3
Gem Pass	10750'	31.7	-	-	-	-
Rock Creek Lakes	9700'	14.0	5.2	36.9	5.1	2.1
South Lake	9600'	16.0	6.8	42.5	6.8	2.2
Big Pine Creek	9800'	17.9	-	-	-	-
Sawmill	10200'	19.4	5.7	29.4	5.7	1.0

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

The 88th Annual Western Snow Conference will be held virtually on April 12-15, 2021. This year's theme is Bridging the Gap between Research and Operations.

More information can be found at https://westernsnowconference.org/meeting/2021

Depicted on this month's cover is helicopter accessing the Talbot Camp snow course in the Middle Fork of the American River Basin above French Meadows Reservoir. Photo taken by Placer County Agency.